PATENT

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Plug 68 in existing valves is a compressible sealer typically made of KEL-F® Du Pont fluoropolymer. We have found that KEL-F® tends to swell up and break. Accordingly, another aspect of the present invention is the use of VESPEL® (DuPont polyimide resin) for the plug. VESPEL® can also be used for gaskets and seals in any system which utilizes a liquid phosphorous precursor compound.

Please revise the paragraph starting at page 4, line 23 to read as follows:

The valve also includes a shut-off plug 72 which can be lowered to close the orifice when flow is desired to be shut off. Plug 72 is also preferably made of VESPEL®. Also included are heater elements 74 which function to heat the valve to prevent condensation of the gaseous mixture. A thermal couple 76 allows monitoring of the temperature of the valve.

## In the Claims:

Please amend claims 1, 8, 20, and 24-26 to have the form shown below:

(Three Times Amended) An apparatus for use with a liquid phosphorous precursor compound comprising:

a container containing a liquid phosphorous precursor compound;

a conduit; and

an orifice disposed between the liquid container and the conduit, wherein at least one of the liquid container, the orifice, and the conduit has a surface of a stainless steel alloy having less than about one percent (1%) nickel.

/ 8. (Three Times Amended) An apparatus for delivering a liquid phosphorous precursor compound, comprising:

a container containing a liquid phosphorous precursor compound;

a conduit configured to convey said liquid phosphorous precursor compound or a gaseous product of said liquid phosphorous precursor compound from the container;

a heating surface coupled to at least one of a portion of said container and a portion of said conduit;

wherein at least one of said portion of said container and said portion of said conduit is composed of a stainless steel alloy having less than about one percent (1%) nickel.

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20. (Three Times Amended) A liquid flow injection valve for supplying
TEPO, TMP or TEP to a chemical vapor deposition (CVD) chamber comprising:
an injection orifice connected to a source containing liquid TEPO, TMP or TEP;
and

a valve outlet for delivering a gaseous mixture generated from said liquid TEPO,

TMP or TEP to said CVD chamber;

said injection orifice including a stainless steel alloy having less than about one percent (1%) nickel.

- 24. (Amended) The valve of claim 20 further comprising a plug in said valve composed of a polyimide.
  - 25. (Amended) The valve of claim 24 wherein said polyimide is VESPEL®.
- (Three Times Amended) A liquid injection system for a CVD chamber comprising:

a container containing a liquid TEPO, TMP or TEP;

an injection valve for converting said liquid TEPO, TMP or TEP into gaseous form, said injection valve having portions in contact with said liquid TEPO, TMP or TEP composed of a stainless steel alloy having less than about one percent (1%) nickel and at least 15% chromium;

a liquid TEPO, TMP or TEP injection line coupling said container to said injection valve;

a carrier gas source line coupled to said injection valve; and an outlet line coupling said injection valve to said CVD chamber.